



PTO/SB/08-03
Approved for use through 07/31/2006. OMB 06-06-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

RECEIVED
DEC 17 2004
TC 1700

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	08/916,629
Filing Date	08/22/1997
First Named Inventor	CHAD A. COBBLEY
Art Unit	1733
Examiner Name	AFTERGUT, J. H.
Attorney Docket Number	97-0098

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
XHJ	A	US- 3,142,698	07/28/1964	Halperrn et al.	
	B	US- 3,825,580	07/23/1974	Kato et al.	
	C	US- 3,984,749	10/05/1976	Muller	
	D	US- 4,021,767	05/03/1977	Nonaka et al.	
	E	US- 4,139,693	02/13/1979	Schoenberg	
	F	US- 4,167,546	09/11/1979	Korshak et al.	
	G	US- 4,172,907	10/30/1979	Mones et al.	
	H	US- 4,321,180	03/23/1982	Kimura et al.	
	I	US- 4,720,513	01/19/1988	Kameyama et al.	
	J	US- 4,815,208	03/28/1989	Raschke	
	K	US- 4,837,260	06/06/1989	Sato et al.	
	L	US- 4,862,245	08/29/1989	Pashby et al.	
	M	US- 5,252,855	10/12/1993	Ogawa et al.	
	N	US- 5,286,679	02/15/1994	Farnworth et al.	
	O	US- 5,339,416	08/16/1994	Nakagami et al.	
	P	US- 5,536,799	07/16/1996	Takahashi et al.	
	Q	US- 5,841,193	11/24/1998	Eichelberger	
	R	US- 5,841,799	11/24/1998	Hiroki	
gma	S	US- 5,861,678	01/19/1999	Schrock	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ *Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶

Examiner Signature	JAH Aftergut	Date Considered	2/9/04
--------------------	--------------	-----------------	--------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

